CR-334
Instruction Manual

Dual Alarm AM/FM Clock Radio with Triple Display Touchless Snooze and Display Control and SmartSet Function

For information and support, www.lenco.eu

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT SAFETY INSTRUCTIONS

1.) Read these instructions. Keep these instructions. Follow all instructions. Heed all warnings.
2.) Do not use this apparatus near water.
3.) Clean only with dry cloth.
4.) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
5.) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6.) Do not destruct the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7.) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
8.) Only use attachments / accessories specified by the manufacturer.
9.) Unplug this apparatus during lightning storms or when unused for long periods of time.
10.) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, or has been dropped, does not operate normally.
11.) This appliance shall not be exposed to dripping or splashing water and no object filled with liquids such as vases shall be placed on the apparatus.
12.) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13.) Do not overload wall outlet. Use only power source as indicated.
14.) Use replacement parts as specified by the manufacturer.
15.) Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.

GREETINGS

Thank you for purchasing this Automatic Time Setting Dual Alarm Clock Radio with Triple Display plus "Touchless" Snooze and Display Control Features. We think you will be truly amazed by all of the features that we have packed into this compact bedside companion.

The first time you connect this clock radio to your AC outlet it will immediately set itself to the correct year, month, date, day and time in your time Zone. If you live in a different time zone, there is one simple Time Zone adjustment to make and you will never see the dreaded "flashing 12:00" display again. It will automatically reset itself every time you have a power interruption, and not just the time but your wake-up times as well. Daylight Saving Time and Leap Year adjustments are also done automatically through the year 2099.

In addition to the jumbo amber time display, there are two smaller displays that show the Alarm 1 and Alarm 2 wake-up times, so you can see at a glance that the alarms are set correctly. If one of the alarms is off, the display clearly shows "OFF". No guesswork required. Like to hit that snooze bar in the morning but don't like reaching for the top of the radio? Problem solved. Just wave your hand in front of the "Touchless" Snooze Wave Sensor and go back to sleep for another 9 minutes. No touching required.

Love that big display that's so easy to see but prefer to sleep in total darkness? We thought of that one as well. Just set the display dimmer control to the "OFF/WAVE" position and the display goes off completely. But if you need to check the time in the middle of the night just wave your hand in front of the sensor. The display returns to full brightness for 10 seconds and then switches off again. Brilliant!

Just like every other automatic time setting model, this clock radio has a built-in, long-life lithium battery that can provide back up for all of the important settings for up to 5 years or even longer. No need to try and remember to install a fresh 9V battery ever 6 months. And when it's time to change the lithium battery the low battery indicator will 'flash' in the display.

Before Setting Up the Unit

- Operate controls and switches as described in the manual.
- Before turning on the power, make certain that the power cord is properly installed.
- When moving the set, be sure to first disconnect the AC power cord.
- Avoid installing this unit in places exposed to direct sunlight or close to heat radiating appliances such as electric heaters, on top of other stereo equipment that radiates too much heat, places lacking ventilation or dusty areas, places subject to constant vibration and/or humid or moist areas.

Unpacking and Setting Up

- Remove the product from the carton and remove all packing material from the unit. We suggest that you save the packing material, if possible, in the unlikely event that your unit ever needs to be returned for service. The original carton and packing material is the only safe way to pack your product to protect it from damage in transit.
- Remove any descriptive labels or stickers on the front or top of the cabinet. Do not remove any labels or stickers from the back or bottom of the cabinet.
- Place your unit on a level surface such as a table, desk or shelf, convenient to an AC outlet, out of direct sunlight, and away from sources of excess heat, dirt, dust, moisture, humidity, or vibration.
- Unwind the FM antenna and extend it to its full length. It must be fully extended to provide the best FM reception.

Protect Your Furniture

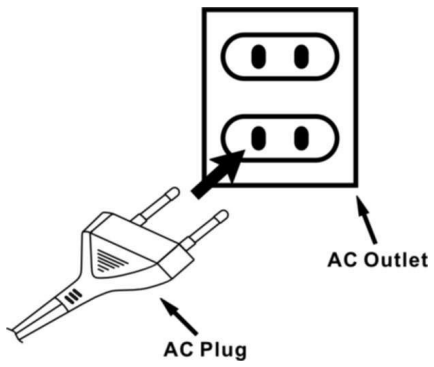
This model is equipped with non-skid rubber 'feet' at the bottom of the unit to prevent the product from moving when you operate the controls. These 'feet' are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber 'feet' to soften, and leave marks or a rubber residue on the furniture. To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber 'feet' before you place the product on fine wooden furniture.

Power Source

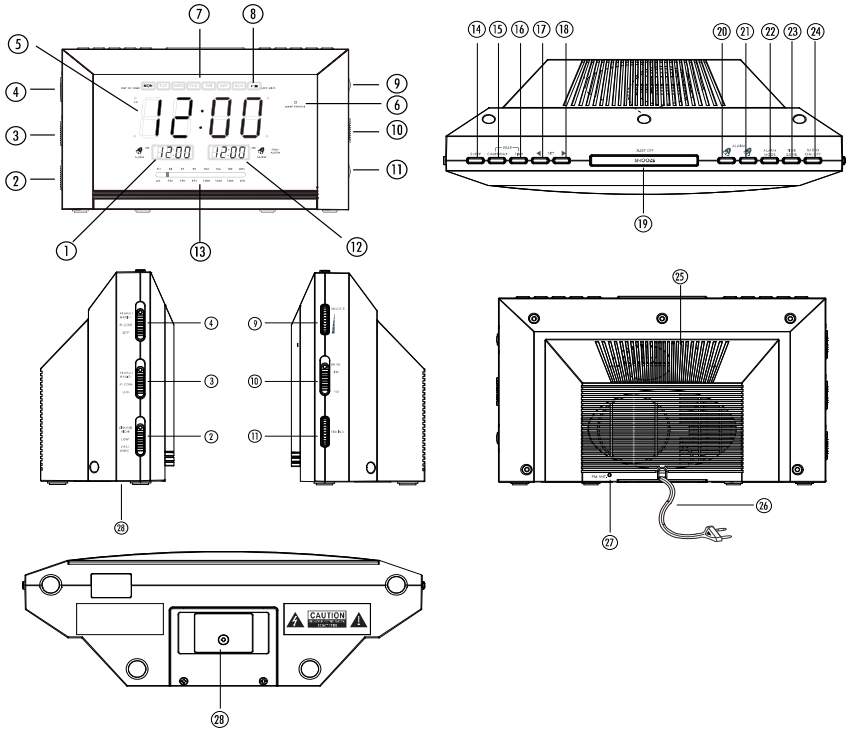
This product is designed to operate on normal 230V 50Hz AC power only. Do not attempt to operate the unit on any other power source. You could cause damage to the product that is not covered by your warranty.

This unit should be connected to an AC outlet that is always ‘live’. Do not connect it to an outlet that is controlled by a wall switch. When the power to the unit is interrupted, the built in lithium battery takes over to maintain the time and alarm settings. To maximize the life of the lithium battery keep the unit connected to a ‘live’ AC outlet at all times.

AC Plug AC Outlet



LOCATION OF CONTROLS AND INDICATORS



1.) **ALARM 1** Time (Month/Date) Display
2.) **DIMMER** (**HIGH**-**LOW-OFF**/**WAVE**) Selector Switch
3.) **ALARM 2** (**RADIO**/**BUZZER**/**OFF**) Selector Switch
4.) **ALARM 1** (**RADIO**/**BUZZER**/**OFF**) Selector Switch
5.) Time Display
6.) **WAVE SENSOR**
7.) **DAY OF WEEK** (**MON**, **TUE**, **WED**, **THU**, **FRI**, **SAT**, **SUN**) Indicators
8.) **LOW BATT.** Indicator
9.) **VOLUME** Control
10.) **BAND** (**AM**/**FM**) Selector Switch
11.) **TUNING** Control
12.) **ALARM 2** Time (Year) Display
13.) Lighted Dial Pointer / Dial Scale
14.) **SLEEP** Button (Sleep to Radio Timer)
15.) **CALENDAR** Setting Button
16.) **TIME** Setting Button
17.) **SET <** Button
18.) **SET >** Button
19.) **SNOOZE**/**SLEEP OFF** Button
20.) **ALARM 1 SET** Button
21.) **ALARM 2 SET** Button
22.) **ALARM MODE** (Weekdays/Weekends/Everyday) Alarm Button
23.) **TIME ZONE** Button
24.) **RADIO ON**/**OFF** Button
25.) Speaker (Back Cabinet)
26.) AC Power Cord (Back Cabinet)
27.) FM antenna (Back Cabinet)
28.) Back Up Battery Compartment (Bottom Cabinet)

Setting The Time, The First Time

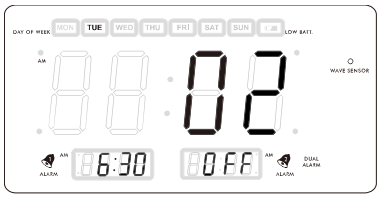
IMPORTANT: The first time you connect your new automatic time setting clock radio to the AC outlet, the internal computer will automatically set the time for the area you live which is the initial default setting. The displays will scroll for a few seconds and then show the correct Year, Month, Date, Day and Time in your area. Your clock is set and running.

If you want to move to other countries you must change the time zone.

Time zone setting (according to the Greenwich timetable)
GMT (Greenwich zero time)

1: GMT – 1	2: GMT – 2	3: GMT – 3	4: GMT – 4	5: GMT – 5	6: GMT – 6
7: GMT – 7	8: GMT – 8	9: GMT – 9	10: GMT – 10	11: GMT – 11	12: GMT – 12
13: GMT + 11	14: GMT + 10	15: GMT + 9	16: GMT + 8	17: GMT + 7	18: GMT + 6
19: GMT + 5	20: GMT + 4	21: GMT + 3	22: GMT + 2	23: GMT + 1	

To change the default time zone display, press the **TIME ZONE** button. If the number "**02**" will appear on the display, it indicates that the default zone is ZONE 2, which is "GMT -2".



Hold the **TIME ZONE** button and then press either the **SET <** or **>** button until your own time zone appears on the display, then release the buttons.
The clock display will change to the correct time in the time zone you selected.

Month / Date / Year Display

To see the correct "date" at any time, press the **CALENDAR** button. The correct month and date will appear in the **ALARM 1** display and the correct year will appear in the **ALARM 2** display. The month and date is displayed in the MM.DD format.
For example, May 21st 2005 will be displayed as "21.5" in the **ALARM 1** display and "2005" in the **ALARM 2** display. The two small displays will revert to the Alarm 1/ Alarm 2 indications a few seconds after you release the **CALENDAR** button.
To manually adjust the date press and hold the CALENDER button, and press either the **SET <** or **>** buttons to adjust the date ahead or back as desired. Each press of the **SET <** or **>** buttons will change the date by one day. If you hold the **SET <** or **>** buttons the date will continue to change. The display will change slowly at first, one day at a time. But if you continue holding the **SET <** or **>** buttons the display will change rapidly. When you hold both CALENDER and TIME and than press SET < or > the year will change.
NOTE: *If you manually adjust the date, your new setting is entered into the automatic date setting system memory. If the power is interrupted, the date will return to your new setting, not the original setting, when the power is restored.*

Summertime and Leap-year Adjustments

All Daylight Saving and Leap Year adjustments are made automatically by the automatic time setting internal computer as follows:

- **Start of summertime:**
  At 1:59.59 AM on the last Sunday of daylight saving time, the clock will automatically advance to 3:00 AM.
- **End of summertime:**
  At 2:59.59 AM on the last Sunday of daylight saving time, the clock will automatically reset to 2:00 AM.
- **Leap-year:**
  At 12:00 Midnight on February 28th, the calendar display will change to "**29.02**".

Manual Time Adjustments

Some people like to set their clocks 5 to 10 minutes later than actual time to make sure that they will always be on time. Even though the automatic time setting system sets the time by itself, you still have the option of adjusting the time manually if you wish.

To manually adjust the time display depress and hold the **TIME** button, and press either the **SET <** or **>** buttons to adjust the time display ahead or back as desired.

Each press of the **SET <** or **>** buttons will change the display by one minute. If you hold the **SET <** or **>** buttons the display will continue to change. The display will change slowly at first, one minute at a time. But if you continue holding the **SET <** or **>** buttons the display will change rapidly.

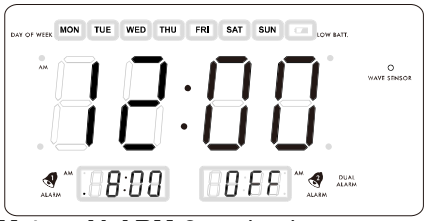
NOTE: *If you manually adjust the time, your new setting is entered into the automatic time setting system memory. If the power is interrupted, the display will return to your new setting, not the original setting, when the power is restored.*

Adjusting The Wake Up Times

Your automatic time setting clock radio has two separate alarms that can be set and used independently. You may use the alarms to wake two people at different times, or you may use one alarm for weekdays and the other for weekend wake up times.

The procedure for adjusting the wake up time is the same for both Alarm 1 and Alarm 2.

1.) Press and hold either the **ALARM 1** or **ALARM 2** setting button.
The respective Alarm 1 or Alarm 2 time and "DAY OF WEEK" indicators will appear.



2.) While holding the **ALARM 1** or **ALARM 2** setting button, press either the **SET <** or **>** button to move the alarm display ahead or back to your respective Alarm 1 or Alarm 2 desired wake up time.

3.) When the desired wake up time appears on the display, release the **SET <** or **>** buttons.

4.) When the desired wake up time appears on the display, release the **ALARM 1** or **ALARM 2** setting buttons.

Selecting The Alarm Mode

Your automatic time setting clock radio allows you to select from among three different alarm operation modes for either alarm.

The alarm modes are:

- **Everyday mode** – the alarm will turn on all 7 days.
- **Weekdays mode** – the alarm will only turn on Monday through Friday;
- **Weekends mode** – the alarm will only turn on Saturday and Sunday;

To check the Alarm Mode setting for Alarm 1, press the **ALARM 1** setting button. The **ALARM 1** display will show the Alarm 1 wake up time and the day of the week indicators will show you the alarm mode which is selected.

- If all 7 indicators are 'On', the Everyday mode is selected.
- If only the Monday through Friday indicators are 'On', the Weekdays mode is selected.
- If only the Saturday and Sunday indicators are 'On', the Weekends mode is selected.

To change the Alarm Mode setting for Alarm 1, hold the **ALARM 1** setting button and press the **ALARM MODE** button until the day indicators show the desired mode setting, Weekdays mode, Weekends mode, or Everyday mode operation. Release the **ALARM MODE** and **ALARM 1** setting buttons and the display will return to the correct Day. Follow the same procedure to select the desired Alarm Mode for Alarm 2.

Checking The Wake Up Times and Alarm Mode

Whenever you want to check the wake up time or the alarm mode settings, simply press either the **ALARM 1** or **ALARM 2** setting buttons. The respective Alarm display will show the wake up time and the day indicators will show you the alarm mode which is currently selected. Release the **ALARM 1** or **ALARM 2** setting buttons to return to correct Day.

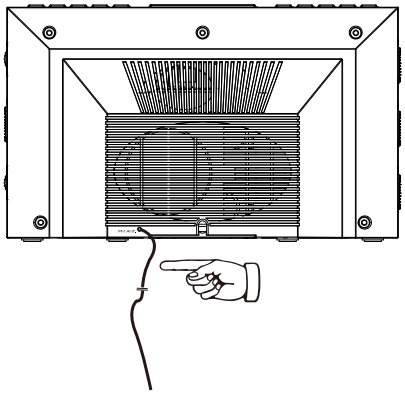
Listening To The Radio

1.) Set the **BAND** selector to the desired band, **AM** or **FM**.
2.) Set the **VOLUME** control to a low setting.
3.) Press the **RADIO ON/OFF** button to turn the radio 'On'. The radio dial pointer will light.
4.) Select your desired station with the **TUNING** control.
5.) Adjust the **VOLUME** control to the desired setting.
6.) When you are finished listening, press the **RADIO ON/OFF** button to turn the radio 'Off'. The radio dial pointer light goes off.

Antenna Information

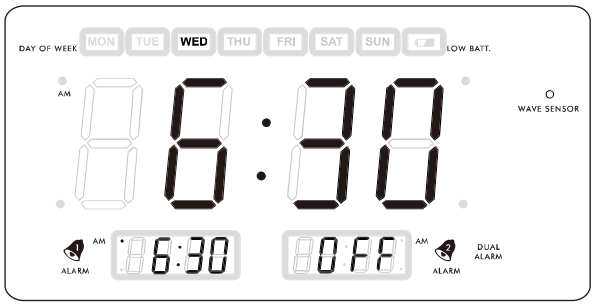
AM – The AM bar antenna is inside the cabinet. If AM reception is weak, change the position of cabinet until the internal antenna picks up the strongest signal.

FM – The FM antenna is located at the back of the unit. If FM reception is weak, extend the FM antenna to its full length or try varying the position and direction of the FM antenna until you find the strongest signal.



Wake To RADIO

1.) Turn the radio 'On' by pressing the **RADIO ON/OFF** button and select the Band, Station, and volume level that you wish to hear when the alarm comes on, then turn the radio 'Off' again.
2.) Reconfirm the wake up time and alarm mode settings for the alarm you are using, Alarm 1, Alarm 2, or both Alarms.
3.) Set the **ALARM** selector switch for one or both alarms to the "**RADIO**" position. The appropriate **ALARM 1** and/or **ALARM 2** displays will change from "**OFF**" to the selected wake up time.
4.) At the selected wake up time the radio will turn 'On'. It will play for one hour and then shut off automatically.
5.) To stop the radio sooner, press either the appropriate **ALARM 1** or **ALARM 2** button, or press the **RADIO ON/OFF** button. The radio will stop but the alarm remains set and will turn the radio on again at the same time on the following day (depending on the Alarm Mode setting).
6.) If you do not want the alarm to turn the radio on the following day, set the appropriate **ALARM** selector to the "**OFF**" position. The respective alarm display will show "**OFF**".



Wake To BUZZER (Crescendo Alarm)

***NOTE**: Alarm 1 and Alarm 2 have different buzzer sounds.*
• Alarm 1 is a "Single beep" sound.
• Alarm 2 is a "Double beep" sound.
You will be able to tell which alarm is going off by the sound that it makes.
1.) Reconfirm the wake up time and alarm mode settings for the alarm you are using, Alarm 1, Alarm 2, or both alarms.

2.) Set the **ALARM** selector switch for one or both alarms to the **BUZZER** position. The appropriate **ALARM 1** and/or **ALARM 2** display will change from "**OFF**" to the selected wake up time.
3.) At the selected wake up time the buzzer will sound. It will begin softly and gradually increase in volume to wake you up. It will continue for one hour and then shut off automatically.
4.) To stop the buzzer sooner, press either the appropriate **ALARM 1** or **ALARM 2** button. The buzzer will stop but the alarm remains set and will turn the buzzer on again at the same time on the following day (depending on the Alarm Mode setting).
To stop the buzzer and turn on the radio immediately, press the **RADIO ON/OFF** button instead of the **ALARM 1** or **ALARM 2** button.
5.) If you do not want the alarm to turn the buzzer on the following day, set the appropriate **ALARM** selector to the "**OFF**" position. The respective alarm display will show "**OFF**".

Radio and Buzzer Operation

You may also set one alarm for wake to radio and the other for wake to buzzer.
Just set the **ALARM 1** and **ALARM 2** selector switches to the desired positions.

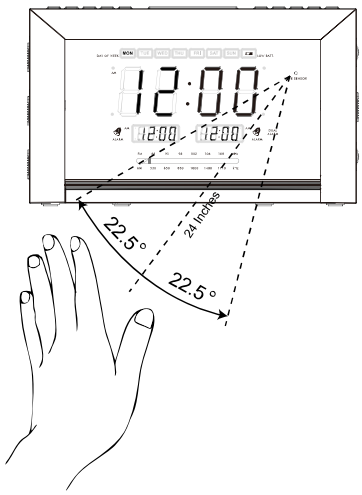
Snooze/Repeat Alarm

After the alarm turns 'On' in the morning you can press the **SNOOZE/SLEEP OFF** button on the top cabinet for approximately 9 extra minutes sleep. The snooze LED indicator flashes.

The alarm will stop for approximately 9 minutes and then comes 'On' again.

Touchless Snooze Control

You can also activate the Snooze alarm without physically touching the **SNOOZE/SLEEP OFF** button. When the alarm sounds in the morning, just wave your hand in front of the **WAVE SENSOR** on the front panel (see illustration) to activate the Snooze alarm.

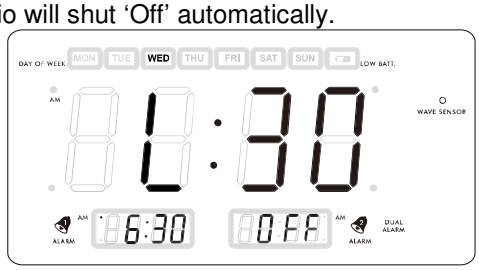


The Touchless Snooze Control works by detecting body heat. For best results your hand should be within 24 inches of the front right panel.

SLEEP To Music Timer

You can program the sleep timer to play the radio for up to “99” minutes and then shut off automatically.

1.) Press the **SLEEP** button. The display will briefly show “**L:30**” and the radio will begin to play. After 30 minutes the radio will shut ‘Off’ automatically.



2.) To increase or decrease the amount of time that the radio will play before shutting off, hold the **SLEEP** button and press either the **SET <** or **>** button to change the display to the desired sleep time, up to a maximum of “**99**” minutes or a minimum of “**01**” minute.

NOTE: *When you change the sleep timer from the 30 minute default setting to a different setting, the new setting becomes the default setting. Whenever you activate the sleep timer it will begin with your new default setting and count down to zero from that point.*

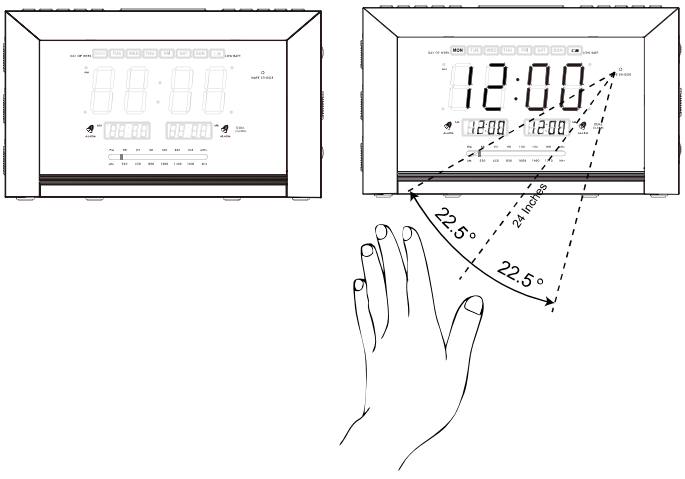
3.) To cancel the sleep timer before it counts down to “00” and shut the radio ‘Off’ immediately by pressing **RADIO ON/OFF** button or pressing the **SNOOZE/SLEEP OFF** Bar.

IMPORTANT: *Remember that the station and volume settings you choose for the SLEEP To Music operation are the same settings you will hear if you set the alarm for wake to radio the following morning.*

Display Brightness Control

This automatic time setting Clock Radio features a unique display brightness control system that gives you three convenient options:

- **HIGH** – When the dimmer switch is set to the “**HIGH**” position the clock display is always at full brightness. The dimmer switch was set to the ‘High’ position at our factory.
- **LOW** – When the dimmer switch is set to the “**LOW**” position the display brightness is reduced by approximately 50%.
- **OFF/WAVE** – When the dimmer switch is set to the “**OFF/WAVE**” position the display goes ‘Off’ completely. This is designed for people who prefer to sleep in total darkness. However if you want to see the clock display at any time, slowly wave your hand in front of the **WAVE SENSOR** on the front panel. The clock display will immediately return to full brightness for 10 seconds and then shut off again automatically. The effective operating range of the Wave Sensor is approximately 12” to 36” from the front panel.



NOTES:

A.) The clock radio must be at room temperature for the WAVE SENSOR to function properly. If the radio has been in a cold location the WAVE SENSOR may not operate immediately. Place the radio in the room where it will be used, connect it to the AC outlet, and allow approximately 30 minutes to 60 minutes for the radio to come to room temperature before testing the WAVE SENSOR function.

*B.) If the dimmer switch is set to the "**OFF/WAVE**" position the display will be completely off. However at the Alarm time the display will return to full brightness automatically. It will remain at full brightness for one hour and then return to the 'Off' position. If you stop the alarm immediately by pressing the respective Alarm 1 or Alarm 2 buttons, or set the Alarm 1 or Alarm 2 switches to their "**OFF**" positions, or use the **SNOOZE** control, the display will return to the 'Off' position after 10 seconds.*

Changing The Lithium Battery

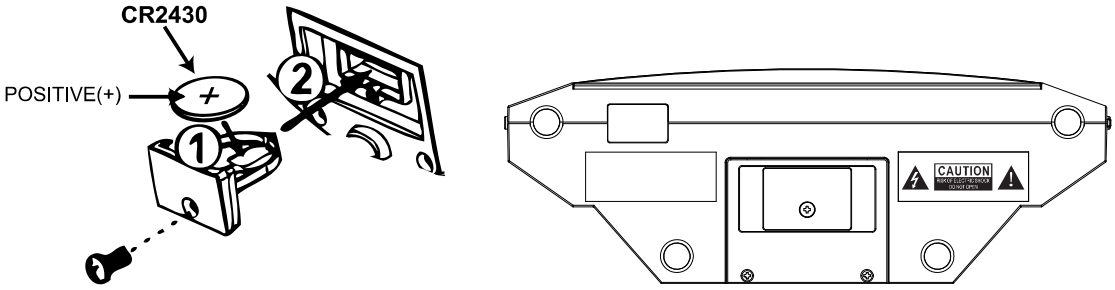
Like all batteries, eventually the built in lithium battery will need to be replaced. A number of factors, such as, the length of time between the date the radio was manufactured and the date you plugged it in for the first time determine the amount of time before replacement. During this initial storage period, the lithium battery is supplying power to the automatic time setting computer memory. Once you plug the radio in, your household outlet supplies the power, and the battery is not being used. A fresh lithium battery can supply power to the automatic time setting system computer for at least 3 years even if it is never connected to an AC power supply. If your radio was connected to your AC supply within a few months after it was manufactured, and you experience only the normal, nuisance type, short duration power interruptions, your battery may last for up to 5 years or even longer. When the battery power drops below a certain level, the **LOW BATT.** Indicator will 'Flash'. When you see this indicator, you should change the battery as soon as it is convenient for you to do so. To change the batteries proceed as follows:

1.) Purchase a replacement 3V lithium battery wherever batteries are sold. The battery type is **CR2430** or **CR2450**.

2.) Remove the battery from its package so it is ready to install.
***IMPORTANT**: Leave the radio power cord connected to your AC outlet. This will provide power to the automatic time setting computer memory while the original lithium battery is removed.*

3.) Turn the radio face up and use a small screwdriver to remove the screw securing the battery holder to the cabinet.

BE CAREFUL NOT TO LOSE THIS SMALL SCREW!



4.) Remove the original battery from the holder and insert the new battery into the holder the same way, observing the positive (+) direction. Slide the holder with the new battery back into the slot in the cabinet.

5.) Replace the screw that secures the battery holder in the cabinet.

6.) Turn the radio right side up and confirm that the **LOW BATT.** indicator is 'Off'.

7.) Save these instructions. You'll have to do this again five to eight years from now!

Resetting The Clock After A Total Memory Loss

If you do not change the built-in lithium battery within a reasonable period of time after you see the warning indicator, the lithium battery may become exhausted and will no longer be able to supply back up power to the automatic time setting system internal computer. If the unit is disconnected from the AC outlet after the battery is exhausted, or if a power interruption occurs, the automatic time setting memory will be lost and the clock will need to be reset when the power is restored. Be sure to install a fresh lithium
battery before you reset the clock; otherwise the clock will need to be reset each time the power is interrupted.
If the lithium battery is exhausted and you experience an interruption in the AC power supply, the clock will reset itself to its initial default setting when the power is restored.
The initial default setting is **12:00 AM**, **SAT**urday, January 1st (**1.01**), **2005**.

If you notice that the time on your automatic time setting clock radio is completely incorrect, and the **DAY OF WEEK** indicator is also wrong, press the **CALENDAR** button. If the small displays are showing "**01.1**" and "**2005**", you probably experienced a total memory loss. To reset the clock after a total memory loss, proceed as follows:
1.) Follow the instructions mentioned previously and install a new **CR2430** or **CR2450** lithium battery in the battery compartment.
2.) Connect the radio to your AC outlet and let the clock set itself.
3.) Press the **CALENDAR** button. The **ALARM** displays will change to "Month/Date" and "Year".
- While holding the **CALENDAR** and **TIME** buttons, press the **SET <** or **>** button to set the **ALARM 2** display to the correct year, and then release the buttons.
- While holding the **CALENDAR** button, press the **SET <** or **>** button to set the **ALARM 1** display to the correct "Month" and "Date". When the correct month and date appear on the display, release the buttons.
- The **DAY OF WEEK** indicator will change automatically as you adjust the "Year", "Month/Date" settings.

4.) Press the **TIME** button and the **SET <** or **>** button to set the display to the correct time.
5.) After you set the time, reconfirm that the Day, and Month/Date displays are still correct. Make final adjustments if necessary.
The automatic time setting clock memory is now reset and the new lithium battery will maintain it for the next 5 to 8 years, depending on the number and duration of the power outages you experience.

IMPORTANT NOTE:
After resetting the clock, don't forget to reset your wake up times, and alarm mode settings, and sleep timer settings as well.

Lithium Battery Precautions

- *Dispose of the old battery properly. Do not leave it lying around where a young child or pet could play with, or swallow it. If the battery is swallowed, contact a physician immediately.*
- *Battery may explode or leak if mistreated. Do not attempt to recharge it or disassemble it. Do not dispose of the old battery in a fire.*

If the cabinet becomes dusty, wipe it with a soft cloth. If the cabinet becomes smudged or dirty, clean it with a soft, slightly dampened cloth.
Never allow water or any liquid to get inside the cabinet.

Never use any abrasive cleaners or cleaning pads as these will damage the finish of your radio.

If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)